

LUMINAIRE: CLB2-40LX-N-EDU
Columbia Linear Highbay

TEST #CLB2-40LX-N-EDU
DATE: 3/3/2021

BALLAST:
BALLAST FACTOR: 1.00
LAMP:
FIXTURE LUMENS: 10554
WATTS: 76.16
SHIELDING ANGLE: N/A
SPACING CRITERION: 0° = 1.25 90° = 1.05
LUMINOUS OPENING IN FEET
LENGTH: 1.89
WIDTH: 0.83
HEIGHT: 0.00

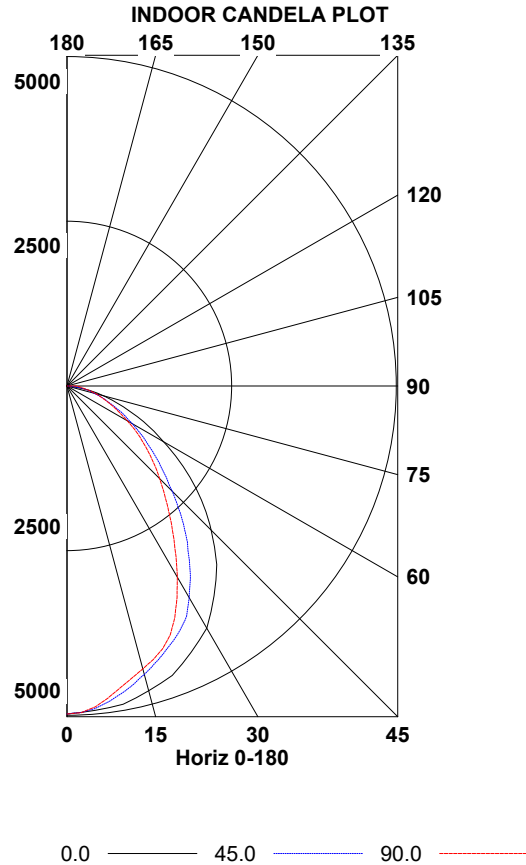
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 139
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.73
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	3642	34.5	34.5
0-40	5697	54.0	54.0
0-60	8982	85.1	85.1
0-90	10552	100.0	100.0
90-120	2	0.0	0.0
90-130	2	0.0	0.0
90-150	2	0.0	0.0
90-180	2	0.0	0.0
0-180	10554	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	34151	34151	34151	34151	34151
30	33614	31474	29401	27332	26544
40	31680	28692	24657	21912	21249
45	30014	26589	21928	19815	19311
50	28279	24016	19585	17938	17703
55	25968	21488	17511	16318	16168
60	23224	18999	15684	14781	14535
65	20847	16807	14071	13386	13221
70	17570	14593	12645	12330	12340
75	15319	12671	11388	11846	11981
80	11058	10028	11017	12036	12100
85	0	1421	6349	15666	16034



COEFFICIENTS OF UTILIZATION (%)

RC	RW	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
		80%				70%				50%				30%					
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74	
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64	
R	4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
C	5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
R	6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
	7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
	8	64	51	43	38	62	50	43	37	49	42	37	48	42	37	47	41	37	35
	9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	33	32
	10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.
ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.
THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	4977*	4977	4977	4977	4977
2.5	4959	4963	4960	4959	4963
5.0	4941	4937	4912	4889	4890
7.5	4922	4903	4836	4778	4777
10.0	4904	4860	4742	4660	4651
12.5	4847	4785	4641	4545	4541
15.0	4789	4695	4533	4444	4446
17.5	4732	4601	4418	4350	4353
20.0	4674	4506	4308	4246	4243
22.5	4566	4393	4197	4114	4090
25.0	4458	4251	4076	3940	3872
27.5	4350	4111	3934	3709	3617
30.0	4243	3972	3711	3450	3350
32.5	4066	3820	3484	3182	3083
35.0	3890	3617	3240	2920	2827
37.5	3713	3411	3002	2674	2591
40.0	3537	3203	2753	2446	2372
42.5	3315	2987	2499	2240	2174
45.0	3093	2740	2260	2042	1990
47.5	2871	2494	2039	1848	1820
50.0	2649	2250	1835	1680	1658
52.5	2410	2012	1643	1518	1497
55.0	2171	1796	1464	1364	1351
57.5	1931	1587	1298	1221	1205
60.0	1692	1384	1143	1077	1059
62.5	1488	1195	1001	943	929
65.0	1284	1035	867	824	814
67.5	1080	880	740	714	709
70.0	876	727	630	615	615
72.5	727	592	528	526	530
75.0	578	478	430	447	452
77.5	429	365	351	375	380
80.0	280	254	279	305	306
82.5	140	137	208	241	243
85.0	0	18	81	199	204
87.5	0	0	0	55	174
90.0	0	0	0	0	144
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE